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IN THE SPECIFICATION

Replace the paragraph starting on page 16, line 22 with the following paragraph:

Referring to Figure 23, in yet another embodiment of the present invention for detecting rotation of the shaft, the first region is provide by a disk-shaped surface attached to the shaft 1 and the second region 8 is provided by the air surrounding the surface. The edge between the first region 7 and the second region 8 is provided by the periphery of the disc. A pair of transducers 3 and 3' as herein before described face opposite edges of the disc. The axis of rotation of the shaft 1 is offset relative to the center of the disc. Referring to Figure 24, as the shaft rotates, ~~the resistance of the~~ In operation, the resistance of the heater 4 on one of the transducers 3 follows a triangular wave form. Similarly, referring to Figure 25, as the shaft rotates, the resistance of the heater 4' on the other transducer 3' follows a triangular wave form. However, the triangular wave form associated with the resistance of heater 4' is 90 degrees out of phase from the triangular wave form associated with the resistance of heater 4. Referring to Figure 26, a composite output from the transducers 3 and 3', in which any DC offset in the detected signals is removed, can be created by subtracting the output from one of the heaters 4 and 4' from the other.

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